# FACT SHEET

## JNTF Computational Resources Overview

### MISSION

The Joint National Test Facility (JNTF) provides state-of-the-art information technology (IT) for modeling/simulation, analysis, test, and training products in support of warfighters, allies, and developers of our nation's missile and air defense systems. This IT ranges from hardware and software for desktop productivity tools to super compute platforms for the High Performance Computing Distribution Center (HPC-DC) with advanced developmental software tools and massive storage area network capacity. There is both a classified Mission Network and an unclassified Administrative Network with access provided to thousands of worldwide users.
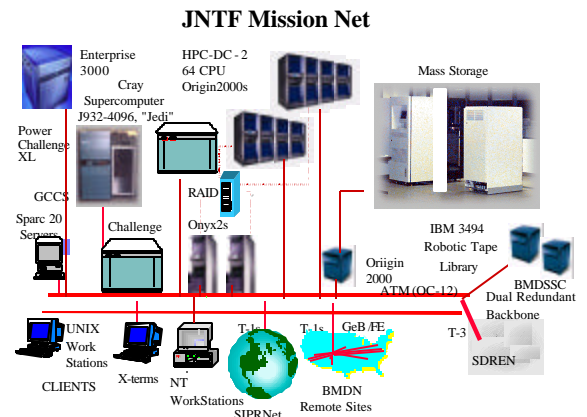
### WHERE WE FIT IN

The IT Computational Resources provides all necessary hardware and software (some developed at the JNTF) needed by technical and administrative staff supporting the BMDO Mission and external customers.
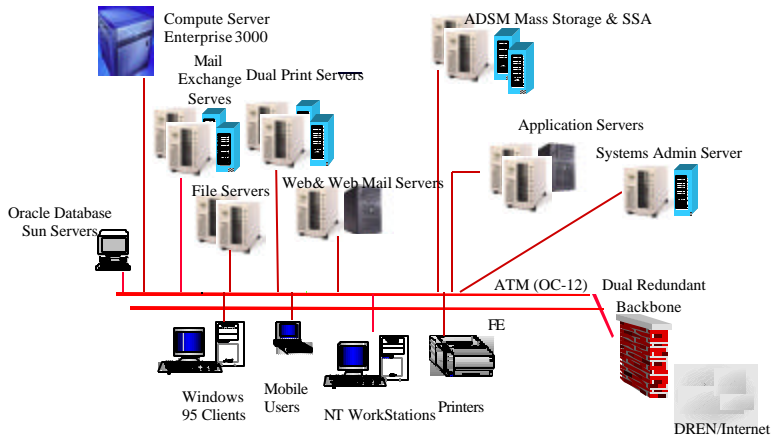
### CAPABILITIES

Classified IT assets consist of an engineering segment for application development using high performance workstations such as Silicon Graphics, Sun Ultras, and NT. A computational and storage segment includes: the HPC-DC with dual high-performance computing SGI Origin 2000 64 processors with commensurate terrabytes of storage, other multiprocessor compute servers, a Cray supercomputer, mass storage with hierarchical storage management (HSM), RAID units, robotic tape library, and fiber channel links. The Virtual Data Center (VDC), Ballistic Missile Defense Network (BMDN), Defense Simulation Internet (DSI) remote sites, and High Level Architecture (HLA) remote sites are served via the Asynchronous Transfer Mode (ATM) and GigaByte Ethernet (GeB)/Fast Ethernet Net (FE) dual backbone LAN with many external links worldwide via dedicated links, Secret Defense Research and Engineering Network (SDREN), or Secret Internet Protocol Routed Network (SIPRNet)



JNTF Mission Net

Unclassified IT resources include: UNIX and Windows NT file-print-mail servers; network management tools; Internet/ Intranet/ WebMail Web Servers; Security Firewall System; Graphics Lab, Presentation Center, Video-Teleconferencing Center; Automatic Briefing Systems (ABSs) for conference rooms; an automated Decision Support Center; protected remote access via the internet and modem bank; Defense Research and Engineering Network (DREN) for Internet and Extranet access; and a high speed backbone Local Area Network.

**JNTF Administrative Net**



## STATUS

The JNTF Computational Resources are being upgraded annually to meet mission needs. The HPC-DC is the latest upgrade.

## AVAILABILITY

If you would like more information on JNTF Networks, please call:

## Joint National Test Facility

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